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July 24, 2003
Date of Deposit

Our Case No.: 11313/3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

ROGER HOYLAND

Serial No.: 09/980,993

Filing Date: December 4, 2001

For: A WIDEBAND 180° MICROWAVE
PHASE SWITCH

Examiner: Glenn, K.

Group Art Unit No.: 2817

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this First Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(g),(h), this First Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

07/29/2003 HOUTEMA1 00000028 231925 09980993

02 FC:1806 18.00 DA 162.00 DP



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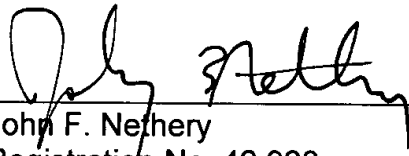
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A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00 is enclosed herewith. Should the enclosed check be insufficient, omitted or should any additional fees be deemed necessary under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicant respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



John F. Nethery
Registration No. 42,928
Attorney for Applicant

BRINKS HOFER GILSON & LIONE
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Chicago, IL 60610
(312) 321-4200



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| FORM PTO-1 | SERIAL NO. 09/980,993 | CASE NO. 11313/3 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT | FILING DATE December 4, 2001 | GROUP ART UNIT 2817 |
| (use several sheets if necessary) | | APPLICANT(S): Roger Hoyland |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER <small>Number-Kind Code (if known)</small> | DATE | NAME | CLASS/ SUBCLASS | FILING DATE |
|---------------------|----|--|-----------|--------|--------------------|----------------|
| | B1 | 2,639,325 | 5/19/1953 | Lewis | | |
| | B2 | 2,831,168 | 4/15/1958 | Smoll | | |
| | B3 | 3,593,208 | 7/31/1971 | Smith | | |
| | B4 | 3,678,415 | 7/18/1972 | Takaji | | |
| | B5 | 4,034,316 | 7/5/1977 | Hans | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER <small>Number-Kind Code (if known)</small> | DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION YES OR NO |
|---------------------|-----|--|------------|---------|--------------------|--------------------------|
| | B6 | JP 63-294104 | 11/30/1988 | JAPAN | | Yes |
| | B7 | JP 63294103 | 11/30/1988 | JAPAN | | Yes |
| | B8 | JP 07-221514 | 8/18/1995 | JAPAN | | Yes |
| | B9 | JP 59-182601 | 10/17/1984 | JAPAN | | Yes |
| | B10 | JP 55-154802 | 12/2/1980 | JAPAN | | Yes |

OTHER ART - NON PATENT LITERATURE DOCUMENTS

| | |
|---------------------|--|
| EXAMINER INITIAL | (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published. |
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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.